

ABSTRACT

An electric powered vehicle includes a chassis defining a battery module compartment and a battery module insertable into the battery module compartment of the chassis. A method of replacing a battery module of an electric powered vehicle provides a service facility including a plurality of battery modules and a system for charging the battery modules. Upon the entry into the service facility of a driver in an electric powered vehicle with a depleted battery module, the depleted battery module is removed from the electric powered vehicle and replaced with a battery module including a fully charged battery. The driver is then charged for the battery module including the fully charged battery.